International Journal of Epidemiology

Official Journal of the
International Epidemiological
Association

Editor:

WALTER W. HOLLAND

Associate Editors:

WILBUR G. DOWNS
CHARLES DU V. FLOREY
MICHEL F. LECHAT

Editorial Assistants:

SUSIE GILDERDALE
ANNE V. TAVENDER

Editorial Board:

D. O. ANDERSON
M. A. FAGHIH
C. L. GONZÁLEZ
M. M. HENDERSON
B. S. HETZEL
J. KOSTRZEWSKI
A. O. LUCAS
L. M. F. MASSÉ
R. SHARMA
W. E. WATERS
K. L. WHITE

VOLUME 3
1974

© Oxford University Press 1974

CONTENTS

No. 1, MARCH 1974

The State of Health Services—International Comments

Developments in Australia's Health Services 5

Health Problems and Medical Care in Papua New Guinea 9

Original Articles

Prevalence and Natural History of Lung Disease in New South Wales Schoolchildren .. 15
S. R. LEEDER, A. J. WOOLCOCK and C. R. B. BLACKBURN

The Identification and Treatment of Hypertensives in Two Australian Urban Communities 25
R. R. H. LOVELL and R. J. PRINEAS

Casualty Care in Car Crashes 31
G. ANTHONY RYAN

The Traralgon Health and Illness Survey. Part 2: prevalence of illness and use of health care 37
C. BRIDGES-WEBB

Q. Fever in Cyprus: Report of Cases and a Survey of United Nations Personnel 47
H. B. KELLY

Ethnic Differences in Lung Function; evidence for proportional differences 55
CHARLES E. ROSSITER and HANS WEILL

Corrections for Sampling Bias in the Epidemiological Survey of a Chronic Disease .. 63
A. H. SMITH and G. L. HILL

Measuring the Use of Health Services by Household Interviews: a comparison of procedures used in three Child Health Surveys 71
KLAUS J. ROGHMANN and ROBERT J. HAGGERTY

No. 2, JUNE 1974

IEA Regional Meeting in Australia: A Comment 96

Urban Health Problems in Japan: An Epidemiological Analysis Using Tuberculosis as an Example 97
HIROSHI YANAGAWA, ITSUZO SHIGEMATSU and KAZUO FUKUTOMI

High Blood Pressure: Its Care and Consequences in Urban Centres 105
A. APOSTOLIDES, J. R. HEBEL, M. S. MCDILL and M. M. HENDERSON

Methodological Problems in Mental Illness Epidemiology 119
ALAN STOLLER

An Epidemiological Study of the Mental Health of Australian University Students .. 125
A. J. MCMICHAEL and B. S. HETZEL

The Application of Quantitative Estimate of Cough Frequency to Epidemiological Surveys 135
G. B. FIELD

The Influence of Height on the Decline in Ventilatory Function 145
T. J. COLE

Respiratory Symptoms in a Group of American Secondary School Students: The Overwhelming Association with Cigarette Smoking 153
DAVID RUSH

A Health and Seroepidemiological Survey of a Community in Barbados 167
ALFRED EVANS, FREDERICK COX, GEORGE NANKERVIS, EDWARD OPTON, ROBERT SHOPE, A. V. WELLS and BERNICE WEST

Culture of the Faeces in the Diagnosis of Sonne Dysentery: a statistical method for estimating the true isolation rate 177
HILARY E. TILLETT and MAIR E. M. THOMAS

A Comparative Study of the Diagnostic Basis for Cancer of the Colon and Cancer of the Rectum in Denmark and Finland 183
OLE MØLLER JENSEN, JOHANNES MOSBECH, MIKKO SALASPURO and TIMO JHAMÄKI

No. 3, SEPTEMBER 1974

Hypertension and Cardiovascular Disease in Migrants: A Comment 204

Cancer Risk Among Psychiatric Patients: A Hypothesis 207
BERNARD H. FOX and MARGARET A. HOWELL

Temporal-Spatial Distributions of Leukaemia and Haematosarcoma in Seven French Regions 209
A. ALPEROVITCH, C. HESSE, P. LAZAR, M. HAYAT and R. FLAMANT

An International Controlled Trial in the Multifactorial Prevention of Coronary Heart Disease 219
WHO EUROPEAN COLLABORATIVE GROUP

The Tokelau Island Migrant Study 225
I. A. M. PRIOR, J. M. STANHOPE, J. GRIMLEY EVANS and CLARE E. SALMOND

The Traralgon Health and Illness Survey: Part 3. Illnesses and Their Medical and Hospital Care 233
C. BRIDGES-WEBB

The Prevalence of Coeliac Disease and Cystic Fibrosis in Ireland, Scotland and England and Wales 247
DENIS O'REILLY, JOHN MURPHY, JOHN MCLAUGHLIN, JOHN BRADSHAW and GEOFFREY DEAN

Normal Range of Joint Movements in Shoulder, Hip, Wrist and Thumb with Special Reference to Side. A Comparison between Two Populations 253
E. ALLANDER, O. J. BJÖRNSSON, Ó. ÓLAFSSON, N. SIGFÚSSON and J. THORSTEINSSON

Cleft Lip and Palate in Finland: Parental histories, course of pregnancy and selected environmental factors 263
IRMA SAXÉN

No. 4, DECEMBER 1974

Comments: The Seventh International Scientific Meeting of the IEA 285

The First Twenty Years of the International Epidemiological Association 1954–1974 .. 287

Review Articles

Contemporary Epidemiology 295
KERR L. WHITE

Surveillance and Monitoring 305
RICHARD DOLL

Original Articles

A Comparison of the Assessment of Simple Bronchitis by Measurements of Sputum Volume and by Standardized Questions on Phlegm Production 315
C. M. FLETCHER, R. PETO and C. M. TINKER

Quantitative Assessment of Environmental Pollution by Cancerogenic Substances: One Stage in the Epidemiological Study of Tumours 321
V. B. SMULEVICH and M. A. BULBULIAN

Relationship of Melanoma and other Skin Cancer Mortality to Latitude and Ultraviolet Radiation in the United States and Canada 325
J. M. ELWOOD, J. A. H. LEE, S. D. WALTER, T. MO and A. E. S. GREEN

A Case-Control Study of the Epidemiology of Benign Breast Diseases with Reference to Oral Contraceptive Use 333
JENNIFER L. KELSEY, KAREN K. LINDFORS and COLIN WHITE

Multiple Sclerosis in Japanese-Americans. A Preliminary Report 341
R. DETELS, B. VISSCHER, A. COULSON, R. MALMGREN and J. DUDLEY

Acromio-Humeral Bridle (AHB): An Epidemic in Medellin, Colombia 347
GERMÁN GONZÁLEZ, JORGE LUIS GIL, HECTOR ZULUAGA and JULIO GONZÁLEZ

Some Observations on the Management of Appendicitis in Wales 351
R. R. WEST and C. J. ROBERTS

International Journal of Epidemiology
© Oxford University Press 1974

Volume 3
Printed in Great Britain

INDEX TO VOLUME 3, 1974

Acromio-Humeral Bridle (AHB): An epidemic in Medellin, Colombia .. 347
ALLANDER, E., BJÖRNSSON, O. J., ÓLAFSSON, Ó., SIGFÚSSON, N. and THORSTEINSSON, J.: Normal range of joint movements in shoulder, hip, wrist and thumb with special reference to side. A comparison between two populations .. 253
ALPEROVITCH, A., HESSE, C., LAZAR, P., HAYAT, M. and FLAMANT, R.: Temporal-spatial distributions of leukaemia and haematosarcoma in seven French regions .. 209
American secondary school students: the overwhelming association with cigarette smoking; respiratory symptoms in a group of .. 153
APOSTOLIDES, A., HEBEL, J. R., MCDILL, M. S. and HENDERSON, M. M.: High blood pressure: its care and consequences in urban centres .. 105
Appendicitis in Wales; some observations on the management of 351
Application of quantitative estimate of cough frequency to epidemiological surveys; the .. 135
Australian university students; an epidemiological study of the mental health of .. 125
Australian urban communities; the identification and treatment of hypertensives in two .. 25
Barbados; a health and seroepidemiological survey of a community in .. 167

Benign breast diseases with reference to oral contraceptive use; a case-control study of the epidemiology of .. 333
BJÖRNSSON, O. J.: *see* ALLANDER, E. *et al.* .. 253
BLACKBURN, C. R. B.: *see* LEEDER, S. R. *et al.* .. 15
Blood pressure: its care and consequences in urban centres; high .. 105
BRADSHAW, J.: *see* O'REILLY, D. *et al.* .. 247
Breast diseases with reference to oral contraceptive use; a case-control study of the epidemiology of benign .. 333
BRIDGES-WEBB, C.: The Traralgon Health and Illness Survey. Part 2: Prevalence of illness and use of health care .. 37
BRIDGES-WEBB, C.: The Traralgon Health and Illness Survey. Part 3: Illnesses and their medical and hospital care .. 233
Bronchitis by measurements of sputum volume and by standardized questions on phlegm production; a comparison of the assessment of simple .. 315
BULBULIAN, M. A.: *see* SMULEVICH, V. B. .. 321

Canada; relationship of melanoma and other skin cancer mortality to latitude and ultraviolet radiation in the United States and .. 325
Cancer mortality to latitude and ultraviolet radiation in the United States and Canada; relationship of melanoma and other skin .. 325
Cancer of the colon and cancer of the rectum in Denmark and Finland; a comparative study of the diagnostic basis for .. 183
Cancer risk among psychiatric patients: a hypothesis .. 207
Cancerogenic substances: one stage in the epidemiological study of tumours; quantitative assessment of environmental pollution by 321
Car crashes; casualty care in .. 31
Case-control study of the epidemiology of benign breast diseases with reference to oral contraceptive use; a .. 333
Child health surveys; measuring the use of health services by household interviews: a comparison of procedures used in three 71
Chronic disease; corrections for sampling bias in the epidemiological survey of a .. 63
Cigarette smoking; respiratory symptoms in a group of American secondary school students: the overwhelming association with .. 153
Cleft lip and palate in Finland: parental histories, course of pregnancy and selected environmental factors .. 263
Coeliac disease and cystic fibrosis in Ireland, Scotland and England and Wales; the prevalence of .. 247
COLE, T. J.: The influence of height on the decline in ventilatory function .. 145
Colombia; Acromio-Humeral Bridle (AHB): an epidemic in Medellin .. 347
Colon and cancer of the rectum in Denmark and Finland; a comparative study of the diagnostic basis for cancer of the .. 183
Comparison of the assessment of simple bronchitis by measurements of sputum volume and by standardized questions on phlegm production; a .. 315
Contemporary epidemiology .. 295
Contraceptive use; a case-control study of the epidemiology of benign breast diseases with reference to oral .. 333
Coronary heart disease; an international controlled trial in the multifactorial prevention of .. 219
Corrections for sampling bias in the epidemiological survey of a chronic disease .. 63
COULSON, A.: *see* DETELS, R. *et al.* .. 341
Cough frequency to epidemiological surveys; the application of quantitative estimate of .. 135
COX, F.: *see* EVANS, A. *et al.* .. 167
Culture of the faeces in the diagnosis of Sonne dysentery: a statistical method for estimating the true isolation rate .. 177

Cyprus: report of cases and a survey of United Nations personnel; Q fever in .. 47
Cystic Fibrosis in Ireland, Scotland and England and Wales; the prevalence of Coeliac Disease and .. 247

DEAN, G.: *see* O'REILLY, D. *et al.* .. 247
Denmark and Finland; a comparative study of the diagnostic basis for cancer of the colon and cancer of the rectum in .. 183
DETELS, R., VISSCHER, B., COULSON, A., MALMGREN, R. and DUDLEY, J.: Multiple sclerosis in Japanese-Americans. A preliminary report .. 341
DOLL, R.: Surveillance and monitoring .. 305
DUDLEY, J.: *see* DETELS, R. *et al.* .. 341
Dysentery: a statistical method for estimating the true isolation rate; culture of the faeces in the diagnosis of Sonne .. 177

ELWOOD, J. M., LEE, J. A. H., WALTER, S. D., MO, T. and GREEN, A. E. S.: Relationship of melanoma and other skin cancer mortality to latitude and ultraviolet radiation in the United States and Canada .. 325
England and Wales; the prevalence of Coeliac Disease and Cystic Fibrosis in Ireland, Scotland and .. 247
Environmental pollution by cancerogenic substances: one stage in the epidemiological study of tumours; quantitative assessment of 321
Epidemiological analysis using tuberculosis as an example; urban health problems in Japan: an .. 97
Epidemiological study of the mental health of Australian university students; an .. 125
Epidemiology; contemporary .. 295
Epidemiology; methodological problems in mental illness .. 119
Epidemiology of benign breast diseases with reference to oral contraceptive use; a case-control study of the .. 333
Ethnic differences in lung function; evidence for proportional differences .. 55
EVANS, A., COX, F., NANKERVIS, G., OPTON, E., SHOPE, R., WELLS, A. V. and WEST, B.: A health and seroepidemiological survey of a community in Barbados .. 167
EVANS, J. G.: *see* PRIOR, I. A. M. *et al.* .. 225

Faeces in the diagnosis of Sonne dysentery; a statistical method for estimating the true isolation rate; culture of the .. 177
FIELD, G. B.: The application of quantitative estimate of cough frequency to epidemiological surveys .. 135
Finland; a comparative study of the diagnostic basis for cancer of the colon and cancer of the rectum in Denmark and .. 183
Finland; parental histories, course of pregnancy and selected environmental factors; cleft lip and palate in .. 263
FLAMANT, R.: *see* ALPEROVITCH, A. *et al.* .. 209
FLETCHER, C. M., PETO, R. and TINKER, C. M.: A comparison of the assessment of simple bronchitis by measurements of sputum volume and by standardized questions on phlegm production .. 315
FOX, B. H. and HOWELL, M. A.: Cancer risk among psychiatric patients: a hypothesis .. 207
French regions; temporal-spatial distributions of leukaemia and haematosarcoma in seven .. 209
FUKUTOMI, K.: *see* YANAGAWA, H. *et al.* .. 97

GIL, J. L.: *see* GONZALEZ, G. *et al.* .. 347
GONZÁLEZ, G., GIL, J. L., ZULUAGA, H. and GONZÁLEZ, J.: Acromio-Humeral Bridle (AHB): an epidemic in Medellin, Colombia .. 347
GONZÁLEZ, J.: *see* GONZÁLEZ, G. *et al.* .. 347
GREEN, A. E. S.: *see* ELWOOD, J. M. *et al.* .. 325

Haematosarcoma in seven French regions; temporal-spatial distributions of leukaemia and .. 209
HAGGERTY, R. J.: *see* ROGHMANN, K. J. .. 71
HAYAT, M.: *see* ALPEROVITCH, A. *et al.* .. 209
Health and seroepidemiological survey of a community in Barbados, A .. 167
Health problems in Japan: an epidemiological analysis using tuberculosis as an example; urban .. 97
Heart disease; an international controlled trial in the multifactorial prevention of coronary .. 219
HEBEL, J. R.: *see* APOSTOLIDES, H. *et al.* .. 105
Height on the decline in ventilatory function; the influence of .. 145
HENDERSON, M. M.: *see* APOSTOLIDES, A. *et al.* .. 105
HESSE, C.: *see* ALPEROVITCH, A. *et al.* .. 209
HETZEL, B. S.: *see* MCMICHAEL, A. J. .. 125
High blood pressure: its care and consequences in urban centres .. 105
HILL, G. L.: *see* SMITH, A. H. .. 63

INDEX

Hip, wrist and thumb with special reference to side. A comparison between two populations; normal range of joint movements in shoulder 253
HOWELL, M. A.: *see* FOX, B. H. 207
Hypertensives in two Australian urban communities; the identification and treatment of 25

Identification and treatment of hypertensives in two Australian urban communities; the 25
Influence of height on the decline in ventilatory function; the .. 145
Ireland, Scotland and England and Wales; the prevalence of Coeliac Disease and Cystic Fibrosis in 247

Japan: an epidemiological analysis using tuberculosis as an example; urban health problems in 97
Japanese-Americans. A preliminary report; multiple sclerosis in .. 341
JENSEN, O. M., MOSBECH, J., SALASPURO, M. and JHAMÅKI, T.: A comparative study of the diagnostic basis for cancer of the colon and cancer of the rectum in Denmark and Finland .. 183
JHAMÅKI, T.: *see* JENSEN, O. M. *et al.* 183
Joint movements in shoulder, hip, wrist and thumb with special reference to side. A comparison between two populations .. 253

KELLY, H. B.: Q fever in Cyprus: report of cases and a survey of United Nations personnel 47
KELSEY, J. L., LINDFORS, K. K. and WHITE, C.: A case-control study of the epidemiology of benign breast diseases with reference to oral contraceptive use 333

Latitude and ultraviolet radiation in the United States and Canada; relationship of melanoma and other skin cancer mortality to 325
LAZAR, P.: *see* ALPEROVITCH, A. *et al.* 209
LEE, J. A. H.: *see* ELWOOD, J. M. *et al.* 325
LEEDER, S. R., WOOLCOCK, A. J. and BLACKBURN, C. R. B.: Prevalence and natural history of lung disease in New South Wales schoolchildren 15
Leukaemia and haematosarcoma in seven French regions; temporal-spatial distributions of 209
LINDFORS, K. K.: *see* KELSEY, J. L. *et al.* 333
Lip and palate in Finland: parental histories, course of pregnancy and selected environmental factors; cleft 263
LOVELL, R. R. H. and PRINEAS, R. J.: The identification and treatment of hypertensives in two Australian urban communities .. 25
Lung function: evidence for proportional differences; ethnic differences in 55
Lung disease in New South Wales schoolchildren; prevalence and natural history of 15

MALMGREN, R.: *see* DETELS, R. *et al.* 341
MCDILL, M. S.: *see* APOSTOLIDES, A. *et al.* 105
MCLAUGHLIN, J.: *see* O'REILLY, D. *et al.* 247
MCMICHAEL, A. J. and HETZEL, B. S.: An epidemiological study of the mental health of Australian university students 125
Measuring the use of health services by household interviews: a comparison of procedures used in three child health surveys .. 71
Medellin, Colombia: Acromio-Humeral Bridle (AHB): an epidemic in 347
Melanoma and other skin cancer mortality to latitude and ultraviolet radiation in the United States and Canada; relationship of 325
Mental illness epidemiology; methodological problems in 119
Mental health of Australian university students; an epidemiological study of the 125
Methodological problems in mental illness epidemiology 119
Migrant study: the Tokelau Island 225
MO, T.: *see* ELWOOD, J. M. *et al.* 325
MOSBECH, J.: *see* JENSEN, O. M. *et al.* 183
Multiple sclerosis in Japanese-Americans. A preliminary report .. 34
MURPHY, J.: *see* O'REILLY, D. *et al.* 247

NANKERVIS, G.: *see* EVANS, A. *et al.* 167
New South Wales schoolchildren: prevalence and natural history of lung disease in 15
Normal range of joint movements in shoulder, hip, wrist and thumb with special reference to side. A comparison between two populations 253

ÓLAFSSON, Ó.: *see* ALLANDER, E. *et al.* 253
OPTON, E.: *see* EVANS, A. *et al.* 167
O'REILLY, D., MURPHY, J., MCLAUGHLIN, J., BRADSHAW, J. and DEAN, G.: The prevalence of Coeliac Disease and Cystic Fibrosis in Ireland, Scotland and England and Wales 247

Palate in Finland: parental histories, course of pregnancy and selected environmental factors; cleft lip and 263
PETO, R.: *see* FLETCHER, C. M. *et al.* 315
Phlegm production; a comparison of the assessment of simple bronchitis by measurements of sputum volume and by standardized questions on 315

Pollution by cancerogenic substances: one stage in the epidemiological study of tumours; quantitative assessment of environmental 321
Prevalence and natural history of lung disease in New South Wales schoolchildren 15
Prevalence of Coeliac Disease and Cystic Fibrosis in Ireland, Scotland and England and Wales; the 247
PRINEAS, R. J.: *see* LOVELL, R. R. H. 25
PRIOR, I. A. M., STANHOPE, J. M., EVANS, J. G. and SALMOND, C. E.: The Tokelau Island migrant study 225
Psychiatric patients: a hypothesis; cancer risk among 207

Q fever in Cyprus: report of cases and a survey of United Nations personnel 47
Quantitative assessment of environmental pollution by cancerogenic substances: one stage in the epidemiological study of tumours .. 321

Radiation in the United States and Canada; relationship of melanoma and other skin cancer mortality to latitude and ultraviolet 325
Rectum in Denmark and Finland; a comparative study of the diagnostic basis for cancer of the colon and cancer of the .. 183
Relationship of melanoma and other skin cancer mortality to latitude and ultraviolet radiation in the United States and Canada 325
Respiratory symptoms in a group of American secondary school students: the overwhelming association with cigarette smoking 153
ROGHMANN, K. J. and HAGGERTY, R. J.: Measuring the use of health services by household interviews: a comparison of procedures used in three child health surveys 71
ROSSITER, C. E. and WEILL, H.: Ethnic differences in lung function: evidence for proportional differences 55
RUSH, D.: Respiratory symptoms in a group of American secondary school students: the overwhelming association with cigarette smoking 153
RYAN, G. A.: Casualty care in car crashes 31

SALASPURO, M.: *see* JENSEN, O. M. *et al.* 183
SALMOND, C. E.: *see* PRIOR, I. A. M. *et al.* 225
SAXÉN, I.: Cleft lip and palate in Finland: parental histories, course of pregnancy and selected environmental factors 263
Sclerosis in Japanese-Americans. A preliminary report; multiple .. 341
Scotland and England and Wales; the prevalence of Coeliac Disease and Cystic Fibrosis in Ireland 247
Seroepidemiological survey of a community in Barbados; a health and 167
SHIGEMATSU, I.: *see* YANAGAWA, H. *et al.* 97
SHOPE, R.: *see* EVANS, A. *et al.* 167
Shoulder, hip, wrist and thumb with special reference to side. A comparison between two populations; normal range of joint movements in 253
SIGFÚSSON, N.: *see* ALLANDER, E. *et al.* 253
Skin cancer mortality to latitude and ultraviolet radiation in the United States and Canada; relationship of melanoma and other 325
SMITH, A. H. and HILL, G. L.: Corrections for sampling bias in the epidemiological survey of a chronic disease 63
Smoking; respiratory symptoms in a group of American secondary school students: the overwhelming association with cigarette .. 153
SMULEVICH, V. B. and BULBULIAN, M. A.: Quantitative assessment of environmental pollution by cancerogenic substances: one stage in the epidemiological study of tumours 321
Some observations on the management of appendicitis in Wales .. 351
Sonne dysentery: a statistical method for estimating the true isolation rate; culture of the faeces in the diagnosis of .. 177
Sputum volume and by standardized questions on phlegm production; a comparison of the assessment of simple bronchitis by measurements of 315
STANHOPE, J. M.: *see* PRIOR, I. A. M. *et al.* 225
STOLLER, A.: Methodological problems in mental illness epidemiology 119
Surveillance and monitoring 305

Temporal-spatial distributions of leukaemia and haematosarcoma in seven French regions 209
THOMAS, M. E. M.: *see* TILLETT, H. E. 177
THORSTEINSSON, J.: *see* ALLANDER, E. *et al.* 253
Thumb with special reference to side. A comparison between two populations; normal range of joint movements in shoulder, hip, wrist and 253
TILLETT, H. E. and THOMAS, M. E. M.: Culture of the faeces in the diagnosis of Sonne dysentery: a statistical method for estimating the true isolation rate 177
TINKER, C. M.: *see* FLETCHER, C. M. *et al.* 315
Tokelau Island migrant study; the 225
Traralgon Health and Illness Survey. Part 2: Prevalence of illness and use of health care 37
Traralgon Health and Illness Survey. Part 3: Illnesses and their medical and hospital care 233
Tuberculosis as an example; urban health problems in Japan: an epidemiological analysis using 97
Tumours; quantitative assessment of environmental pollution by cancerogenic substances: one stage in the epidemiological study of 321

Ultraviolet radiation in the United States and Canada; relationship of melanoma and other skin cancer mortality to latitude and .. 325

INDEX

United Nations personnel; Q fever in Cyprus: report of cases and a survey of 47
United States and Canada; relationship of melanoma and other skin cancer mortality to latitude and ultraviolet radiation in the .. 325
Urban health problems in Japan: an epidemiological analysis using tuberculosis as an example 97

Ventilatory function; the influence of height on the decline in .. 145
VISSCHER, B.: *see* DETELS, R. *et al.* 341

Wales; some observations on the management of appendicitis in .. 351
Wales; the prevalence of Coeliac Disease and Cystic Fibrosis in Ireland, Scotland and England and 247
WALTER, S. D.: *see* ELWOOD, J. M. *et al.* 325
WEILL, H.: *see* ROSSITER, C. E. 55
WELLS, A. V.: *see* EVANS, A. *et al.* 167
WEST, B.: *see* EVANS, A. *et al.* 167
WEST, R. R. and ROBERTS, C. J.: Some observations on the management of appendicitis in Wales 351
WHITE, C.: *see* KELSEY, J. L. *et al.* 333
WHITE, K. L.: Contemporary epidemiology 295
WHO EUROPEAN COLLABORATIVE GROUP: An international controlled trial in the multifactorial prevention of coronary heart disease 219
WOOLCOCK, A. J.: *see* LEEDER, S. R. *et al.* 15
Wrist and thumb with special reference to side. A comparison between two populations; normal range of joint movements in shoulder, hip 253

YANAGAWA, H., SHIGEMATSU, I. and FUKUTOMI, K.: Urban health problems in Japan: an epidemiological analysis using tuberculosis as an example 97

ZULUAGA, H.: *see* GONZÁLEZ, G. *et al.* 347

PRINTED IN GREAT BRITAIN BY HEADLEY BROTHERS LTD 109 KINGSWAY WC2B 6PX AND ASHFORD KENT LONDON